Operator Error Messages

Message	Display	Cause and Solution
Err 1	Cardio 1	Wrong transducer in Cardio 1/Combi socket. Connect correct transducer.[a]
Err 1	Cardio 2	Wrong transducer in Cardio 2 socket. Connect correct transducer.[a]
Err 2	Toco	Wrong transducer in Toco socket. Connect correct transducer.[a]
Err 4	Cardio 2	US/MECG Combi transducer not allowed in this socket. Only 1 x MECG and 1 x DECG are permitted in combination. Remove transducer.
Err 6	Cardio 1 Cardio 2	Wrong pairing of US/MECG Combi transducer, MECG transducer and DECG transducer. Remove one of the transducers.
Err 8	Cardio 1 Cardio 2	Dual Ultrasound Twins option is not fitted. Remove one of the transducers.
Err 9	Cardio 1 Cardio 2	Invalid telemetry mode. Check the cable from the telemetry receiver and if, necessary, replace it.
Err 16	Cardio 1 Toco Cardio 2	Wrong pairing of telemetry and transducers. Either disconnect the transducers or switch off the telemetry receiver.
Err 18	none	Use of paper designed for HP 8040 monitor. Use correct paper for this monitor.
Err 19	Err bAt [b] [c]	Battery low or empty of charge. Change the batteries as soon as possible. If you do not change the batteries, your specific settings will return to their default values when the Monitor is switched on. (For example, the date is set to 4.4.44.)
Err 101	Cardio 1	$FSpO_2$ patient module defective. Replace patient module.
Err 102	Cardio 1	Communication error - no connection between $FSpO_2$ patient module and monitor. Replace patient module.
Err 103	Cardio 1	$FSpO_2$ sensor defective. Use a new sensor.
nop	Cardio 1 Cardio 2	No contact, or poor contact, between any of the contacts of the system. Check all connections, especially the legplate connector. Use a new spiral electrode.

Operator Error Messages (continued)

Message	Cause and Solution
Err PAP 30-240 [d]	Incorrect type of paper loaded. Load paper with 50-210 scale or change the monitor's paper format setting (see the Installation and Service Guide for your monitor).
Err PAP 50-210 [d]	Incorrect type of paper loaded. Load paper with 30-240 scale or change the monitor's paper format setting (see the Installation and Service Guide for your monitor).
Err xxx [b]	xxx is between 500 and 600. This indicates a technical failure diagnosed by the monitor's self test program. Contact your Philips Service Engineer or Response Center.
Error 601 [d]	Paper speed. Check that correct paper is used. Check the speed by timing how long it takes for the paper to advance 1cm: *60 seconds = 1cm/min* *30 seconds = 2cm/min* *20 seconds = 3cm/min* Contact your Philips Service Engineer or Response Center if the speed is incorrect.
Error 602 [d]	Incorrect type of paper loaded. Load with appropriate scale paper or change monitor's paper format setting.

a See Chapter 20 of your monitor's *Instructions for Use* for compatible types of transducers.
b Displayed for ten seconds when the monitor is first switched on.
c Printed every ten minutes.
d Printed every three pages.

LCD Display Warning Messages

Message	Audible Alarm	Cause and Solution
Noninvasive Blood Pressure		
overpressure	Yes (cannot be switched off)	Cuff pressure increases above 300mmHg. Check to see if cuff is being pressed manually (perhaps by patient movement) and restart the measurement. Cuff deflates automatically.
artifacts	Yes (if alarming is on)	Patient is moving. Restrain patient movement and restart the measurement.
cuff tubing	Yes (if alarming is on)	Inflation/deflation takes too long. Check that all tubes are connected properly, not blocked, leaking or defective. Ensure that the correct cuff is being used. Restart the measurement
NBP error	Yes (if alarming is on)	Tubing obstructed, or hardware problem. Check tubing. Switch monitor off and try measurement again. If problem persists, call service personnel.
Pulse Oximetry		
None	No	Transducer or adapter cable disconnected. Connect transducer or cable.
SpO_2 no pulse	Yes (if alarming is on)	Pulsation too weak or no pulsation detectable. Transducer incorrectly positioned Check patient's pulse. Reposition transducer. Ensure transducer is not on same limb as NIBP cuff.
		Patient wearing colored nail polish. Remove nail polish.
SpO_2 low signal	No	Weak signal, SpO_2 less accurate. Reposition transducer or try a different site.
		Wrong transducer selected. Use correct transducer.
		Transducer incorrectly applied. Reapply transducer.
		Photodetector not opposite light emitter. Reposition transducer.
		Patient wearing colored nail polish. Remove nail polish.
SpO_2 light interference	No	A light source is so high that the SpO_2 transducer cannot measure SpO_2 or HR. Remove strong light source, or cover transducer with opaque material.
SpO_2 artifacts	No	Irregular pulse patterns detected, possibly arising from patient movement. Restrain patient.

Service Error Messages

See the *Installation and Service Guide* for your monitor for more detailed information and troubleshooting flowcharts.

Message	Error
Err 500	Not known (bus error)
Err 502	Power supply board
Err 506	ROM Board
Err 507	DSPII Board
Err 513	CPU Board (Smartwand)
Err 515	Dig If Board
Err 516 or 517	Frontend Board
Err 525 and Err 527	LED Board
Err 526	LCD Board
Err 531	Telemetry Board
Err 532	OBMS Interface Board
Err 533	DSIF Board
Err 534	Maternal SpO_2 Board
Err 535	NBP Assembly
Err 536	Combined Telemetry/System Board
Err 540	Fetal SpO_2 Board
Err 601	Recorder Paper Feed
Err 602	Incorrect Type of Paper

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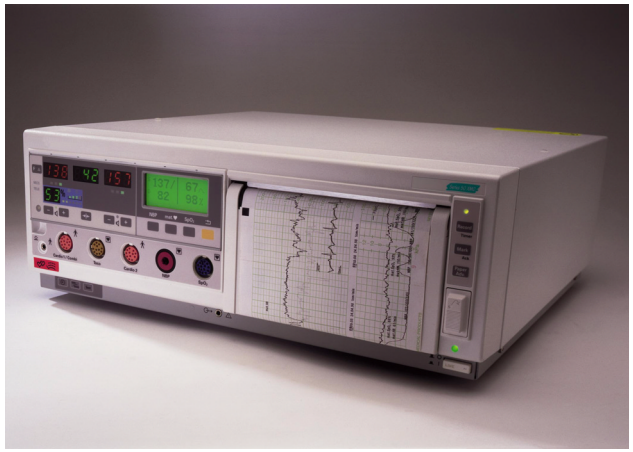
Series 50 XM
Series 50 XMO

Error Reference Card

Fetal/Maternal Monitor



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